

- TERMIMAL LOCATED IN EOS BY SHIPYARD
- TERMIMAL LOCATED IN NEWAGE ALTERNATOR
- MAIN STUD LOCATED IN NEWAGE ALTERNATOR
- INDICATES SHIPYARD WIRING
- INDICATES GENERATOR/PPPC WIRING

## SHIPYARD INSTALLATION DATA

VOLTAGE REGULATION

- 1. DECS100, MVC300, DROOP CT PROVIDED BY PPPC AS SHIP LOOSE ITEMS TO BE INSTALLED BY SHIPYARD IN EDS SWITCHGEAR.
- 2. SHIPYARD TO SUPPLY ALL INTERCONNECT WIRING.
  3. CONNECTION STUDS LOCATED IN GENERATOR LEAD CONNECTION BOX (REFERENCE DRAWING 8-6176205-G1
- 4. VOLTAGE REGULATOR MALFUNCTION ALARM CONTACTS TO BE CONNECTED TO SHIPS AMS SYSTEM REFERENCE ALARM LIST ON DRAWING 1-77270-100. ACTUAL CONNECTION TO BE TO THE EOS PLC TO BE PART OF THE ETHERNET PLC DATA STREAM.
- 5. RECOMMEND DROOP CT BE MOUNTED IN EOS IN THE VICINTIY OF THE VOLTAGE REGULATOR BY SHIPYARD.
  6. THE DECS-100 MUST BE HARD-WIRED TO EARTH GROUND WITH NO SMALLER THAN 12 AVG COPPER WIRE ATTACHED TO THE GROUND TERMINAL ON THE REAR OF THE UNIT CASE. A SEPARATE GROUND CONNECTION IS REQUIRED FOR EACH DECS-100 UNIT.
- ALL CONTROL WIRING TO BE A MINIMUM OF 14 AWG. 8. REFER TO DRAWING 8-6176205-E1 FOR COMPLETE INTERFACE.

## NOTES

ABBREVIATIONS:

PPPC - PACIFIC POWER PRODUCTS COMPANY

MVC - MANUAL VOLTAGE CONTROL
DECS - DIGITAL EXCITATION CONTROL SYSTEM

CT - CURRENT TRANSFORMER

EOS - ENGINEER OPERATING STATION

				Pacific Power Products	DRAWING: VOLTAGE REGULATOR SCHEMATIC SHIP SERVICE GENERATORS PROJECT: WASHINGTON STATE FERRIES 144 CAR, SHIP SERVICE GENERATORS						
Г				7215 SOUTH 228TH STREET, KENT, WA 98037	ALL DIN	MENSIO	NS ARE	IN INCHES	UNLESS	OTHERWISE	SPECIFIED
Γ	a	5-3-06	RAB	PH. (253) 854-0505 • FAX (253) 850-2631			DATE	SHEET 1	OF 1	SCALE:	NONE
Γ	C	3-15-06	RAB	PROPRIETARY NOTICE:	DESIGNED	RAB	10-26-05	DRAWING	NO.		REV.
	В	11-16-05	RAB	THIS DRAWING AND THE INFORMATION IT CONTAINS IS THE PROPERTY OF PDDA AND IS CONSIDERED CONFEDENTIAL AND MAY NOT BE REPRODUCED, COPIED, OR USED IN PART OR WHOLE WITHOUT THE WRITTEN CONSENT OF PDDA.	CHECKED	DMD	10-26-05	0_4	1762	コカニニ	
RE	ŒV	DATE	CHECKED		DRAFTED	RAB	10-26-05	$^{\circ}$	TIO	_UJ L	4 10